

CORRIGENDUM

Notice calling for Quotation/Tender

Chairman
Department of Radiodiagnosis
J.N. Medical AMU, Aligarh

M/s.....
.....
.....

This is with reference to our requesting proforma D. No. 2097 dated 21.12.2018. Sealed Quotations/Bids (one technical and one financial separately) are invited from Manufacturer or their authorized dealers for the following items which should be sealed by the tenders in separate covers duly super scribed and both these sealed are to be put in a bigger, which should also be sealed and duly super scribed, on the terms and conditions as mentioned on page no.4

Quotations should reach this office on or before 04/01/2019 by 12.00 Noon and now will be opened on 08/01/2019 at 1.30 P.M.

Technical Specifications for 250 KVA DG set

TECHNICAL SPECIFICATION FOR 250 KVA SOUND ATTENUATED DG SET

A. DIESEL ENGINE:

Make Diesel engine rated at 1500 RPM, water cooled, four stroke, electric start, six cylinder diesel engine conforming to BS : 5514 / ISO 3046 with capacity of 10% over loading for one hour in twelve hours duration having following accessories as scope of supply :-

AIR INTAKE SYSTEM

- Air intake manifold
- Dry type air cleaner
- Vacuum indicator

EXHAUST SYSTEM

- Turbocharger
- Flexible connection
- Exhaust manifold
- Residential silencer

COOLANT SYSTEM

- Engine water pump
- Radiator
- Coolant additive concentrate

LUBRICATING SYSTEM

- Oil pan
- Engine mounted lube oil pump
- Full flow spin-on lube oil filter

FUEL SYSTEM

- Electronic Governor
- 24V DC solenoid coil
- Dual fuel filter system

STARTING SYSTEM

- 24V DC electric starter.
- 24V DC battery charging alternator.

Contd.page-2

POWER COMMAND CONTROLLER (PC1.1)

Power Command PC 1.1 is a microprocessor based integrated generator set monitoring, metering protection and control system with built-in -torque matched volts/Hz overload control.

Single control for all genset functions:

- Digital Governing
- Digital voltage control
- Engine control
- Operator interface
- Protection
- Advanced control functions

Standard features of genset controller

Engine:

Metering

- RPM
- Battery Voltage
- Lube oil pressure
- Coolant Temp.
- Running hours

Protections

- Low lube oil pressure
- High water temperature
- High/Low DC voltage
- Weak Battery
- Over speed
- Fail to crank
- Fail to start
- Sensor failure

Alternator:

Metering

- 3 phase voltage (L-L and L-N)
- 3 phase Current
- Frequency
- kVA.

Protections

- Under voltage
- Over voltage
- Over current
- Under/Over frequency
- Loss of sensing
- Field overload

Misc.:

- Battle switch function
- Delay Start/Stop
- Configurable Cranking cycle
- Sleep mode time

OTHERS:

- Vibration damper.
- Flexible coupling (only for double brg. Alternators).
- Flywheel with housing.

B. ALTERNATOR :

Synchronous alternator of **Stamford** make of **250 KVA** rating, suitable for continuous operation at 1500 RPM generating 415 volts at 0.8 p.f. (lag) suitable for 50 Hz, 3 phase, 4 wire system. The alternator shall be Brushless type, self excited & self regulated through an AVR. The alternator will be suitable for tropical climate and shall generally conform to IS : 4722. The salient features of the alternator are:-

- $\pm 1\%$ voltage regulation (max) in static conditions.
- IP : 23 protection with class 'H' insulation.
- Permanent lubricating bearing.
- Permissible overload of 10% for one hour in 12 hours of operation.

C. CONTROL PANEL :

The std. control panel is fabricated from 14/16 SWG sheet and Powder Coated after seven tank treatment process. The panel is floor mounted and equipped with:-

- 400A TP MCCB 25KA (Fixed O/C, & S/C) Thermal Magnetic Release With Spreader Link
- PC-1.1 (DG Auto start/stop, Alt. Mtg., Protection and Engine Protection)

Contd.page-2

